

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

CLAIMS

Claims 1-22 (cancelled)

23. (new) A method for processing data received from a MPEG compatible transport stream comprising the steps of:

demultiplexing said received data, wherein

said demultiplexing operation is performed by

identifying a packet identifier of a first packet of said received data;

identifying a packet identifier of a second packet of said received data;

using a program map comprising data identifying the packet identifier of said first packet as comprising video data and identifying the packet identifier of said second packet as comprising Internet application data;

said first packet is processed by a video decoder;

said second packet is processed by a processor for extracting Internet application data from second packet; and

displaying said processed video data and said Internet application data as a composite image by using timing information from said received data, said timing information associating said processed video data to said processed Internet application data.

24. (new) The method of Claim 23, wherein said packet identifier of said first packet is contained within the header of said first packet.

25. (new) The method of Claim 23, wherein said packet identifier of said second packet is contained within the header of said second packet.

26. (new) The method of Claim 23, wherein said Internet application data is used for at least one of: an electronic mail application, a web page application, a JAVA application.

27. (new) The method of Claim 23, wherein said transport stream is part of an Advanced Television System Committee (ATSC) compliant High Definition (HDTV) television signal.

28. (new) The method of Claim 23, wherein said timing information comprises at least one of a timing parameter for synchronizing said processed Internet data with said video data.

29. (new) The method of Claim 23, wherein said program map information associates said Internet information of second packet with said video information of said first packet.

30. (new) The method of Claim 23, wherein said received data additionally comprises ancillary data used for assembly of said composite image.

31. (new) The method of Claim 30, wherein said ancillary information is used to facilitate identification and separation of web page information from said second packet from said video data from said first packet.

32. (new) A system for decoding received data in an MPEG compatible transport stream, comprising:

a packet identifier selection decoder for decoding the packet headers of said received data, wherein a program map table determines a destination of said decoded data in said system;

a transport decoder coupled to said packet identifier selection decoder;

a video decoder coupled to said transport decoder;

a HTML decoder coupled to said transport decoder; and

a controller coupled to said transport decoder; wherein

said controller operates said transport decoder to direct a packet with a packet header corresponding to video information to said video decoder in response to said program map table;

said controller operates said transport decoder to direct a packet with a packet header corresponding to HTML formatted data to said HTML decoder in response to said program map table; and

a display processor coupled to said video decoder and said HTML decoder, wherein said display processor displays output of said video decoder and said HTML decoder as a composite image.

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33. (new) The system of Claim 32, wherein said transport stream is part of an Advanced Television System Committee (ATSC) compliant High Definition (HDTV) television signal

34. (new) The system of Claim 32, wherein said display of said HTML output data and said video decoder output data is controlled by synchronization information provided as part of the MPEG compatible transport stream.
